

We claim:

- sub B1
- 5 1. A method for treating an inflammation in an animal having an inflammation, comprising administering to the animal having the inflammation an effective amount of a composition comprising a mycobacterial deoxyribonucleic acid (B-DNA) preserved and complexed on a mycobacterial cell wall (BCC) and a pharmaceutically acceptable carrier, thereby treating the inflammation in the animal having the inflammation.
- 10 2. A method for preventing an inflammation in an animal, comprising administering to the animal an effective amount of a composition comprising a mycobacterial deoxyribonucleic acid (B-DNA) preserved and complexed on a mycobacterial cell wall (BCC) and a pharmaceutically acceptable carrier, thereby preventing the inflammation in the animal.
- 15 3. A method according to claim 1 or 2, wherein the B-DNA preserved and complexed on the mycobacterial cell wall (BCC) is *M. phlei*-DNA (M-DNA) preserved and complexed on *M. phlei* cell wall (MCC).
- 20 4. A method according to claim 1, 2 or 3 wherein the pharmaceutically acceptable carrier is selected from the group consisting of an aqueous carrier and a non-aqueous carrier.
- 25 5. A use of a composition comprising a mycobacterial deoxyribonucleic acid (B-DNA) preserved and complexed on a mycobacterial cell wall (BCC) and a pharmaceutically acceptable carrier for the manufacture of a medicament to treat an inflammation in an animal having an inflammation.
6. A use of a composition comprising a mycobacterial

deoxyribonucleic acid (B-DNA) preserved and complexed on a mycobacterial cell wall (BCC) and a pharmaceutically acceptable carrier for the manufacture of a medicament to prevent an inflammation in an animal.

- 5 7. A use according to claim 5 or 6 wherein the B-DNA preserved and complexed on the mycobacterial cell wall (BCC) is *M. phlei*-DNA (M-DNA) preserved and complexed on *M. phlei* cell wall (MCC).
- 10 8. A use according to claim 5, 6 or 7 wherein the pharmaceutically acceptable carrier is selected from the group consisting of an aqueous carrier and a non-aqueous carrier.
9. A composition comprising a mycobacterial deoxyribonucleic acid (B-DNA) preserved and complexed on a mycobacterial cell wall (BCC) and a pharmaceutically acceptable carrier.
- 15 10. A composition according to claim 9 wherein the B-DNA preserved and complexed on the mycobacterial cell wall (BCC) is *M. phlei*-DNA (M-DNA) preserved and complexed on *M. phlei* cell wall (MCC).

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